

1. A device for supporting a heart valve in a patient, said heart valve having an annulus and said device comprising a ring configured for fixation to the annulus and being asymmetric about two perpendicular planes.

2. The device of claim 1, wherein said ring lies in a first plane and first and second halves disposed on either side of a second, central plane lying perpendicular to said first plane, wherein said first half has a narrower width dimension than said second half.

3. The device of claim 1, wherein said ring includes at least first and second portions lying in different planes.

4. A device for supporting a heart valve in a patient, said heart valve having an annulus and said device comprising a ring configured for fixation to the annulus and having at least first and second portions lying in different planes.

5. The device of claim 4, wherein one segment of said ring is angled out of the plane containing another segment of said ring.

6. A device for supporting a heart valve in a patient, comprising:
a ring lying in a first plane, said ring including first and second halves positioned on either side of a second plane intersecting said first plane, wherein said first half has a narrower width than said second half at the respective midpoints of said first and second halves.
- 5